

ATTACHMENT 1

IEPA DERIVED WATER QUALITY CRITERIA FOR DICHOROETHENE

Derived Water Quality Criteria

Narrative standards exist in Illinois Pollution Control Board (IPCB) regulations at 35 IAC 302.210 and in Subpart F for General Use Waters and at 302.540 and elsewhere in Subpart E for Lake Michigan Basin Waters. Lake Michigan Basin waters include all tributaries of Lake Michigan, harbors and open waters of the Illinois portion of the lake. General Use Waters cover all other waters of the state except those waters designated as Secondary Contact and Indigenous Aquatic Life Use Waters, which consist of several canals and rivers in the Chicago area. A narrative standard also exists for Secondary Contact Waters but derived criteria are not yet included in the list of criteria at this site.

The narrative standards allow the Illinois EPA to derive numeric water quality criteria values for any substance that does not already have a numeric standard in the IPCB regulations. These criteria serve to protect aquatic life, human health or wildlife, although wildlife based derived criteria have not yet been derived. The following list provides the criteria derived to date. The reader should pay particular attention to the "Notes for Table Headings" found below the list, because many criteria are provided with important comments. For example, some criteria have been derived from a less than ideal data set yet we include these values because we find it desirable to have some numeric indication of toxicity. These values may not be suitable for use in a regulatory setting, however. Criteria that have been used to limit discharges of a substance in an NPDES permit are published quarterly in the Illinois Register . All values on this list are subject to recalculation at any time. Illinois EPA will endeavor to keep this list updated. References to criteria in this list should include the date contained in the list heading.

- [Derived Water Quality Criteria List !\[\]\(4e333a6106fc298d0ae6dff272a736ef_img.jpg\) \(Updated April 2013\)](#)

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Substance	CAS# ¹	Use ²	Aquatic Life		Date	Derived ² (yy/mm/dd)	Human Health		Date	NPDES Permit ³
			Acute	Chronic			Criteria ³ HTC	Criteria ³ HINC		
4-chloro-2-(phenylmethyl) phenol	120-32-1	GU	33	2.6	980715		--	--		
2-chlorotoluene	95-49-8	GU	(670)	(65)	920213		--	--		
chlorpyrifos	2921-88-2	GU	0.11	--	920000		--	--		
chrysene	218-01-9	GU	--	--			--	19	990200	Y
m-cresol=3-methyl phenol										
cyarazine	21725-45-2	GU	370	30	920203		--	--		
cyclohexamine	108-91-8	GU	(6.1)	(0.49)	970130		--	--		
p-cymene = p-Isopropyltoluene										
2,4-D	84-75-7	GU	100	8	930701		--	--		
4,4'-DDD	72-84-3	GU	--	--			--	0.27	990200	
4,4'-DDE	72-55-9	GU	--	--			--	0.19	990200	
4,4'-DDT	50-29-3	GU	[-1.1]	[-0.001]	990200		--	0.19	990200	
dieldrin	8085-48-3	GU	--	[0.1]	990200		--	--		
diazinon	333-41-5	GU	[-0.05]	--	920410		--	--		
dibenz(a,h)anthracene	53-70-3	GU	--	--			--	0.016	990200	Y
dibenzofuran	132-84-9	GU	190	15	990727		--	--		
dicamba	1918-00-9	GU	1500	150	830113		--	--		
dibromochloromethane=chlorodibromomethane										
1,2-dibromo-3-chloropropane	96-12-8	GU	(2.4)	(0.19)	990713		--	--		
1,2-dichlorobenzene	95-50-1	GU	210	170	990200		--	--		Y
1,3-dichlorobenzene	541-73-1	GU	500	200	990200		--	--		Y
1,4-dichlorobenzene	106-46-7	GU	1.8	0.62	990200		--	--		
3,3'-dichlorobenzidine	91-04-1	GU	--	--			--	25	990200	
dichloromomethane=bromodichloromethane										
2,2-dichloroethyl ether	111-44-4	GU	24	1.0	990200		--	0.42	990200	
1,1-dichloroethane	75-34-3	GU	(20)	(2)	970318		--	--		Y
1,2-dichloroethane	107-06-2	GU	25	4.5	990200		--	0.023	990200	Y
1,1-dichloroethene=1,1-dichloroethylene										
1,2-dichloroethene=1,2-dichloroethylene										
1,1-dichloroethylene	75-35-4	GU	3000	240	990300		--	110 120(S) 6.6 (FWS)	990304 990304 990303	Y
1,2-dichloroethylene										
1,2-dichloroethylene	540-59-0	GU	14	1.1	081118		--	--		Y
1,2-dichloroethylene	540-59-0	LM	8.8	0.98	081118		--	--		
trans-1,2-dichloroethylene	156-60-5	GU	--	--			34	--		
2,4-dichlorophenol	120-83-2	GU	630	83	990200		--	--	990200	Y
1,2-dichloropropane	78-87-5	GU	4.8	0.38	990200		5.7	--	990200	Y